CCS Technical Documentation
RH-26 Series Transceivers

5 - Service Tools

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JVB-1 Docking Station and DA-6 Adapter

The JVB-1 docking station has been designed for calibration and software update purposes. The DA-6 docking station adapter establishes signal connections to the phone. JVB-1 and DA-6 are used as one unit.

JVB-1 main electric functions include:

- adjustable VBATT calibration voltage, current measurement limit voltage "VCHAR", current measurement calibration current "ICHAR"

- adjustable ADC calibration voltage via BTEMP and BSI signal

- BTEMP and BSI calibration resistor

In calibration mode, JVB-1 is powered by external power supply 11-16V DC. In flashing mode, power for the phone can be taken from FPS-8 or from an external power supply 11-16V DC.

DA-6 docking station adapter

DA-6 is a docking station adapter for assembled RH-26 phones. DA-6 supports testing, flashing, energy management calibration. If used together with SA-15, also RF function testing is possible.

DA-6 main features include:

- compatibility with JBV-1

- easy phone attachment and detachment

- reliable phone locking

- switch for reliable detection of phone attachment

- replaceable test pins

- internal SIM holder with interface to phone SIM reader

Product codes

JVB-1 docking station:	0770298
DA-6 docking station adapter:	0770653

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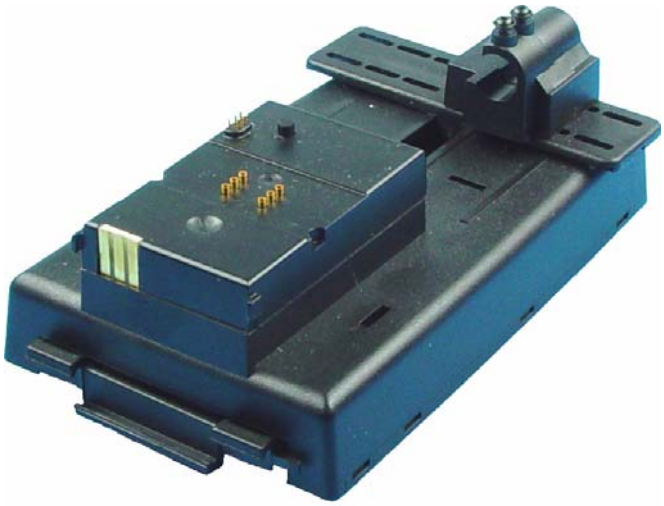
View of JVB-1

View of DA-6



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SA-15 Antenna Coupler

RF antenna coupler is used together with DA-6 docking station adapter. When used with DA-6, SA-15 enables RF function tests in GSM bands 850, 1800 and 1900 MHz.

SA-15 features include:

- easy attachment to DA-6 without the use of any additional tools

- RF connection to phone under test

Product code

SA-15 antenna coupler: 0770655

View of SA-15

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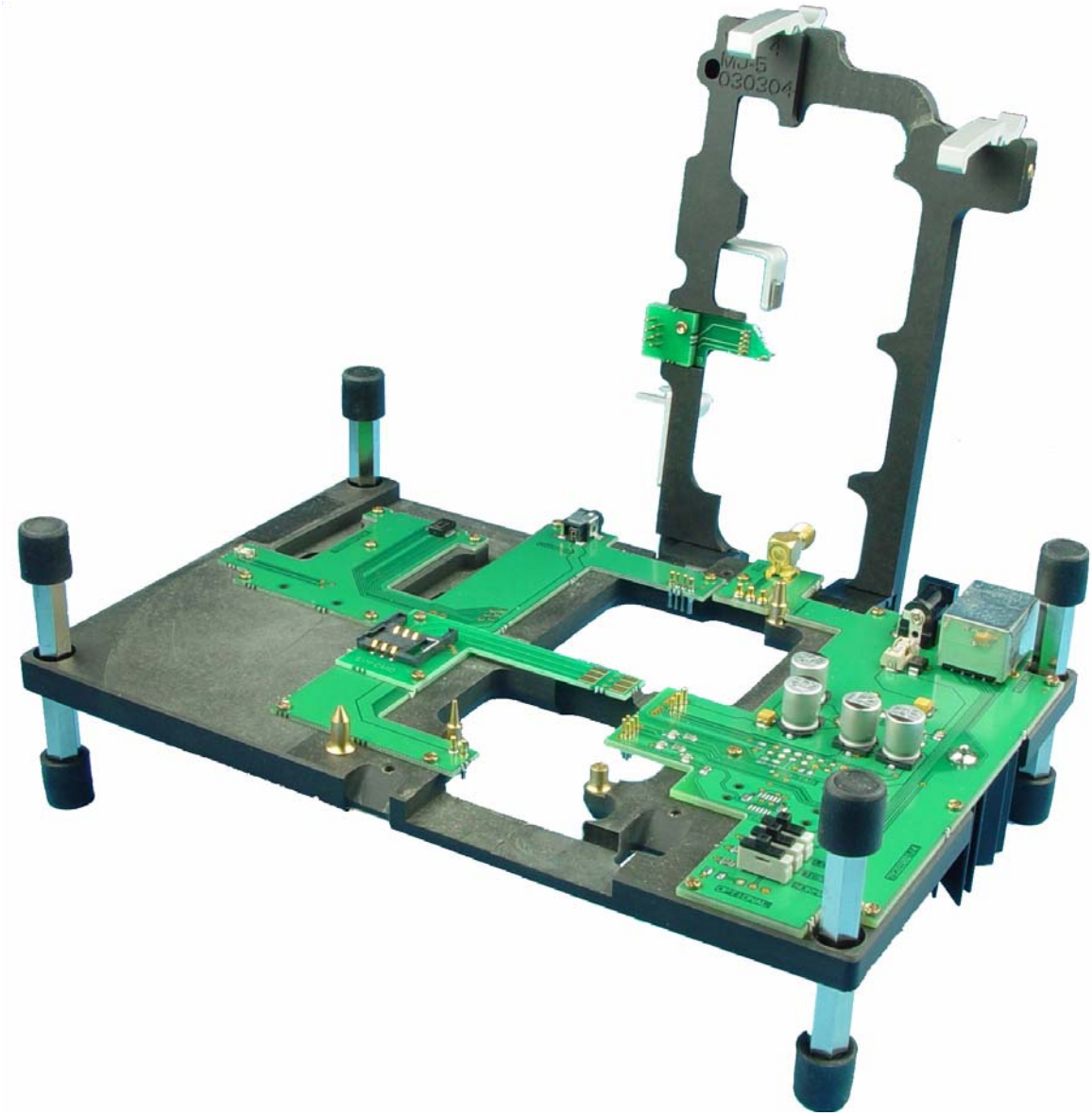
MJ-5 Module Test Jig

Module test jig MJ-5 is designed for TB6 module testing. It can be used for flashing and RF-, battery-, system-, radio- and SIM reader testing.

Product code

MJ-5 module test jig:	0770651

View of MJ-5



The nominal supply voltage for MJ-5 is 4-12 VDC.

Note! Never insert or detach the TB6 module when the supply voltage is connected to the module test jig!

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RJ-4 Soldering Jig

RJ-4 soldering jig is used for soldering and as a rework jig for TB6 module.

Product code

RJ-4 soldering jig: 0770654

View of RJ-4

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SS-14 Domesheet Assembly Jig

SS-14 domesheet is a jig for domesheet assembly. It is used for the right-hand side qwerty-keyboard.

Product code

SS-14 domesheet assembly Jig: 0770729

View of SS-14

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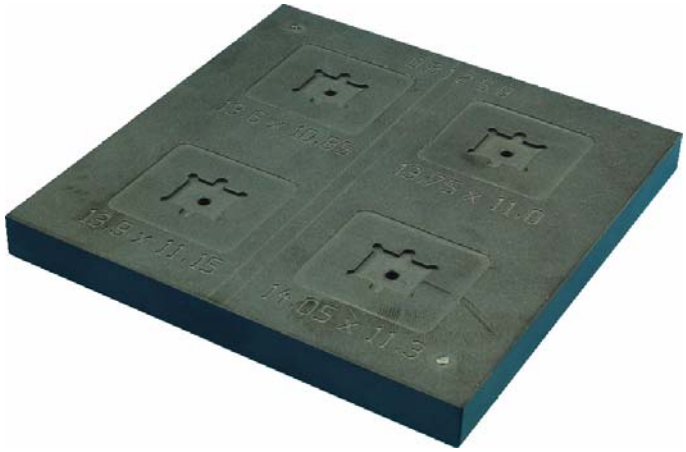
SES-3 Rework Kit

The SES-3 rework kit is used for PA chip (LGA type component) rework and includes rework Jig MJS-76, SES-3 stencil and SPS-1 soldering paste spreader.

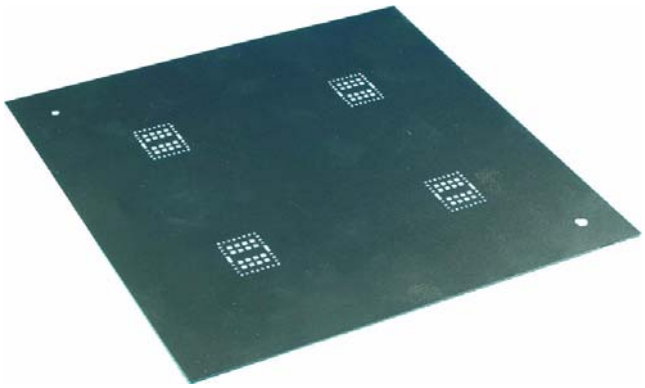
The sales pack includes:

MJS-76 rework Jig:	0770417
SES-3 stencil:	0770558
SPS-1 soldering paste spreader:	0770381

View of MJS-76 rework jig



View of SES-3 stencil



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FPS-8 Flash Prommer (Sales Pack)

The flash prommer FPS-8 is used with e.g. DA-6 and JVB-1. Power is supplied to FPS-8 from the universal power supply.

The sales pack includes:

- FPS-8 flash prommer 0750123
- FPS-8 activation sheet 9359289
- Universal power supply 0680032
- AXS-4 service cable (D9-D9) 0730090
- Printer cable 0730029

Sales package code

FPS-8 flash prommer: 0080321

View of FPS-8

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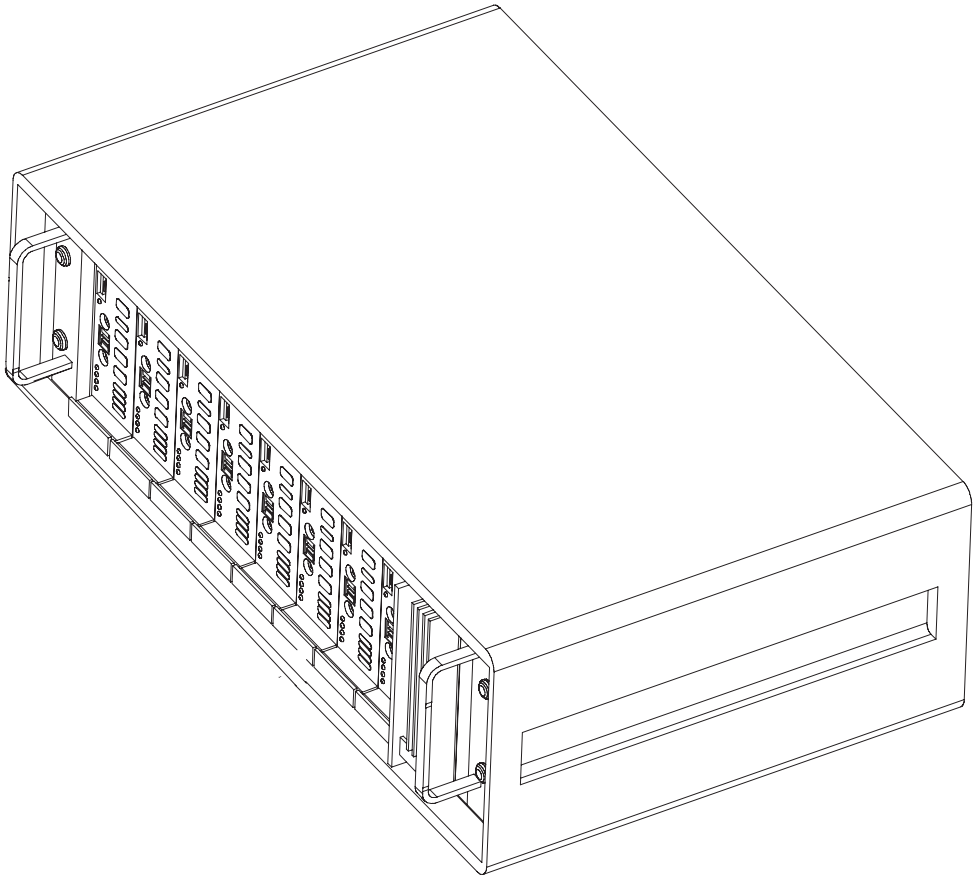
FPS-8C Parallel Flash Prommer (Sales Pack)

The parallel flash prommer FPS-8C is used with DA-6 and JVB-1. With FPS-8C, flash programming can be done to a maximum of 8 phones. FPS-8C consists of eight SF11C programming cards. SF11C card is functionally identical to FPS-8.

Sales package code

FPS-8C parallel flash prommer: 0080396

View of FPS-8C



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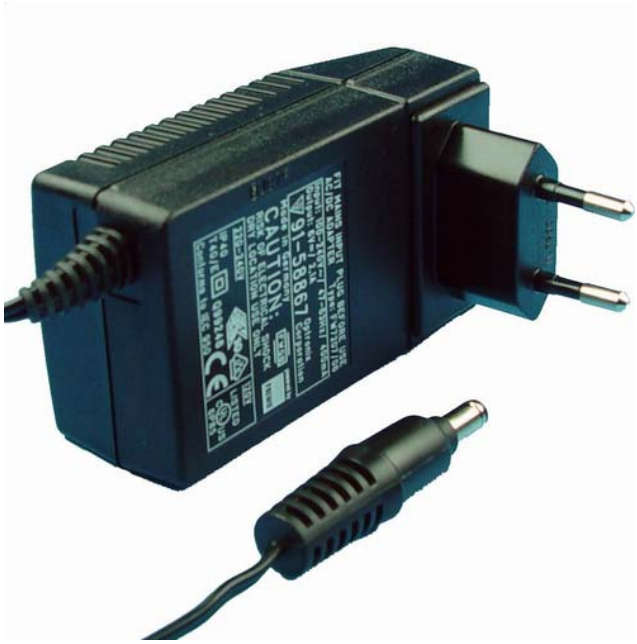
ACF-8 Universal Power Supply

ACF-8 universal power supply is used to power FPS-8. ACF-8 has 6 V DC and 2.1 A output.

Product code

ACF-8 universal power supply:	0680032

View of ACF-8



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SF-5 POS (Point Of Sales) Flash Adapter

SF-5 POS flash adapter is used in POS (Point of Sales) environment for software updating. It provides controlled supply voltage and necessary connections between the phone and the flash prommer. It substitutes for the phone's standard battery during the software update.

Product code

SF-5 POS flash adapter:	0770652

View of SF-5

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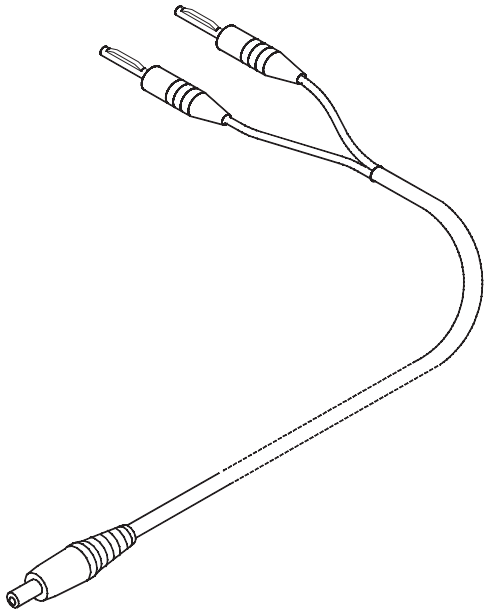
FLC-2 DC Cable

The FLC-2 is used to supply an operating voltage to SF-5 POS adapter when used with the FPS-8 flash prommer.

Product code

FLC-2 DC cable: 0730185

View of FLC-2



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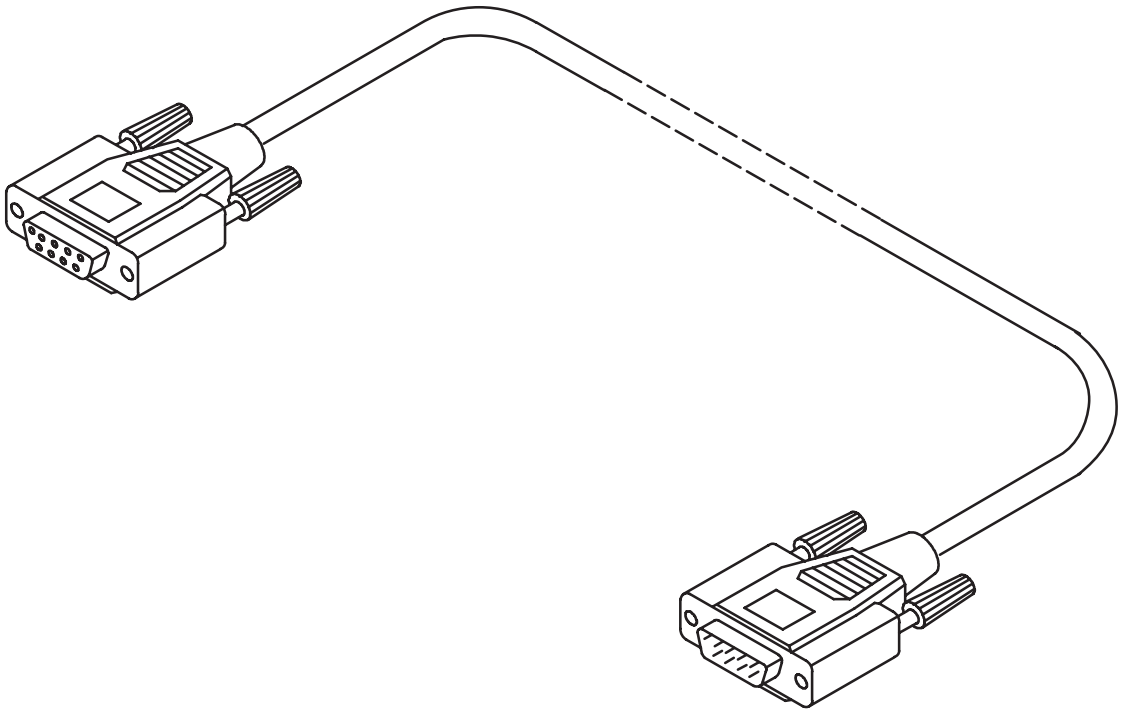
AXS-4 Service Cable

The AXS-4 D9-D9 service cable is used to connect two 9 pin D connectors e.g. between PC and FPS-8. Cable length is 2 meters.

Product code

AXS-4 D9-D9 service cable: 0730090

View of AXS-4



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XCS-1 Service Cable

The XCS-1 service cable is used to connect FLS-4S to SF-5.

Product code

XCS-1 service cable: 0730218

View of XCS-1

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PKD-1 SW Protection Key

SW protection device (dongle) is a piece of hardware enabling the use of the service software when connected to the parallel (LPT) port of the PC. Without the dongle it is not possible to use the service software. Printer or any such device can be connected to the PC through the dongle if needed.

Caution:Make sure that you have switched off the PC and the printer before making connections!

Caution:Do not connect the PKD-1 to the serial port. You may damage your PKD-1!

Product code

SW protection device PKD-1: 0750018

View of SW protection device

FLS-4S POS (Point Of Sales) Flash Prommer (Sales Pack)

FLS-4S is a dongle and flash prommer incorporated into one package, developed for POS use.

Product code

Sales pack - Europe/Africa	0080541
Sales pack -APAC	0080542
Sales pack -US	0080543

View of FLS-4S

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PCS-1 Power Cable

The PCS-1 power cable (DC) is used to e.g. connect JVB-1 to FPS-8 or MJS-5 to external power supply.

Product code

PCS-1 power cable:	0730012

View of PCS-1

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XRF-1 RF Cable

RF cable XRF-1 is used to connect e.g. the module jig MJ-5 to RF measurement equipment.

Product code

XRF-1 RF cable:	0730085

View of XRF-1

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DAU-9S MBUS Cable

The MBUS Cable DAU-9S has a modular connector, and it is used between PC's serial port and e.g. module jig MJ-5.

Product code

DAU-9S MBUS cable: 0730108

View of DAU-9S

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CA-55 DC Cable

The DC cable CA-55 is used to connect e.g. JVB-1 to the phone charging connector during energy management calibration. The older SCB-3 cable can be used for this purpose as well.

Product code

CA-55 DC cable: 0730283

View of SCB-3

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XCS-4 Modular Cable

XCS-4 is a shielded cable modular cable for flashing and service purposes.

Product code

XCS-4 modular cable: 0730178

View of XCS-4

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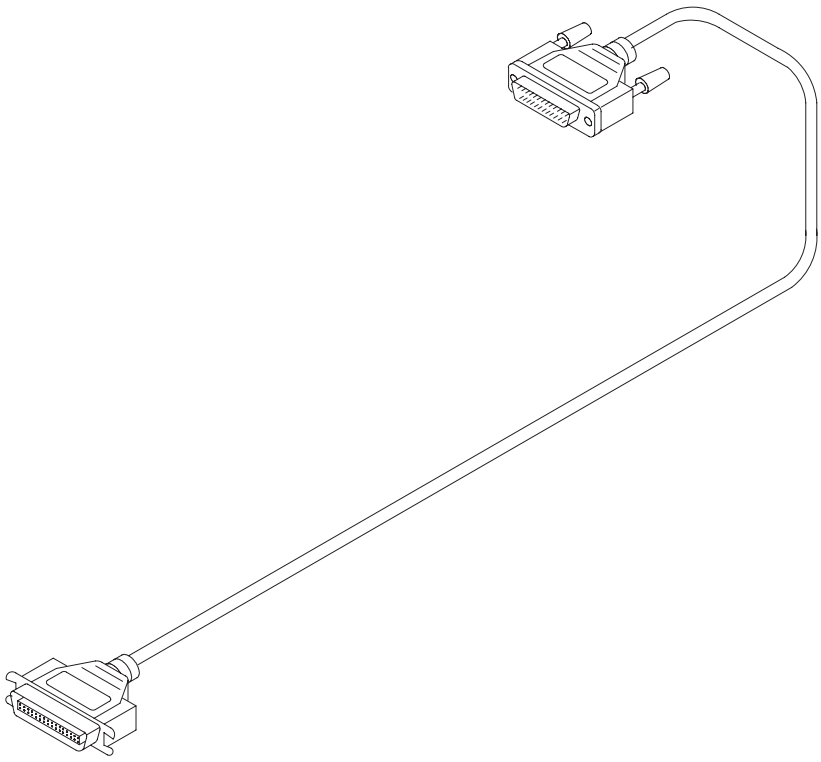
Printer Cable

This cable is used to connect the PC to FPS-8.

Product code

Printer cable: 0730029

View of printer cable



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JBT-9 Bluetooth Test Box

Bluetooth test and interface box JBT-9 can be used to test the Bluetooth functionality of phones. It also works as a wireless service interface for Bluetooth phones serviced with Phoenix.

Usage:

- Stand alone usage as loop-back device for BER testing supported by Phoenix.
- RF attenuation can be set via jumpers.
- SMA antenna connector for SMA antenna or repair jig.
- Support of new Bluetooth Fbus (BTFB) driver in Phoenix for Bluetooth service connection.

JBT-9 sales package (code 0081490) includes the following items:

- JBT-9 Bluetooth test & interface box
- SMA stub antenna
- Installation guide

Note: Charger (ACP-8) and serial cable (AXS-4) need to be ordered separately (i.e. those are not included in the JBT-9 sales package).

Product code

JBT-9 Bluetooth test box: 0081490

View of JBT-9

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